Claims

- 1. A cell comprising an increased amount of Bcl-x_L protein, wherein the cell does not express a heterologous cyclin-dependent kinase inhibitor.
- 5 2. The cell of claim 1, wherein the cell is a mammalian, rodent, insect, or amphibian cell.
 - 3. The cell of claim 2, wherein the cell is a human, murine, or hamster cell.
- 4. The cell of claim 3, wherein the cell is a hamster cell.
 - 5. The cell of claim 4, wherein the cell is a Chinese hamster ovary cell.
- 6. The cell of any preceding claim, wherein the cell is adapted for growth in suspension.
 - 7. The cell of any preceding claim, wherein the cell is adapted for growth in a medium free of serum.
- 20 8. The cell of claim 7, wherein the medium comprises butyrate.
 - 9. The cell of any preceding claim, wherein the Bcl-x_L protein is expressed from an expression vector introduced into the cell.
- 25 10. The cell of any preceding claim, wherein the Bcl-x_L protein is of a species different than that of the cell.
 - 11. The cell of any preceding claim, wherein the Bcl-x_L protein is human.
- 30 12. The cell of any preceding claim, wherein the cell further comprises a first expression vector encoding a polypeptide.
 - 13. The cell of claim 12, wherein the polypeptide is a secreted protein.

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- 14. The cell of claim 12, wherein the polypeptide is a light or heavy chain of an antibody.
- 5 15. The cell of claim 14, wherein the first expression vector encodes both the light and heavy chains of the antibody.
 - 16. The cell of claim 14, wherein the cell further comprises a second expression vector encoding the light or heavy chain of the antibody, wherein the first and second expression vectors together express the antibody in the cell.
 - 17. A method of producing a polypeptide, the method comprising culturing a cell of any preceding claim and purifying the polypeptide from the cell culture.
- 18. A method of producing a polypeptide, the method comprising providing a cell comprising an increased amount of Bcl-x_L protein, wherein the cell does not express a heterologous cyclin-dependent kinase inhibitor; introducing into the cell a first expression vector encoding a polypeptide; and
- 20 expressing the polypeptide in the cell.
 - 19. The method of claim 18, further comprising isolating the polypeptide from the cell culture.
- 25 20. The method of claim 19, wherein the polypeptide is isolated from the medium of the cell culture.
 - 21. The method of any of claims 18-20, wherein the cell is a mammalian, rodent, insect, or amphibian cell.
 - 22. The method of claim 21, wherein the cell is a human, murine, or hamster cell.
 - 23. The method of claim 22, wherein the cell is a hamster cell.

- 24. The method of claim 23, wherein the cell is a Chinese hamster ovary cell.
- 25. The method of any of claims 18-24, wherein the cell is adapted for growth5 in suspension.
 - 26. The method of any of claims 18-25, wherein the cell is adapted for growth in a medium free of serum.
- 10 27. The method of claim 26, wherein the medium comprises butyrate.
 - 28. The method of any of claims 18-27, wherein the $Bcl-x_L$ protein is expressed from an expression vector introduced into the cell.
- 29. The method of any of claims 18-28, wherein the Bcl-x_L protein is of a species different than that of the cell.
 - 30. The method of any of claims 18-29, wherein the Bcl-x_L protein is human.
- 20 31. The method of any of claims 18-30, wherein the polypeptide is a secreted protein.

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- 32. The method of any of claims 18-31, wherein the polypeptide is a light or heavy chain of an antibody.
- 33. The method of claim 32, wherein the first expression vector encodes both the light and heavy chains of the antibody.
- 34. The method of claim 32, further comprising introducing into the cell a second expression vector encoding a light or heavy chain of the antibody, wherein the first and second expression vector together express the antibody in the cell.